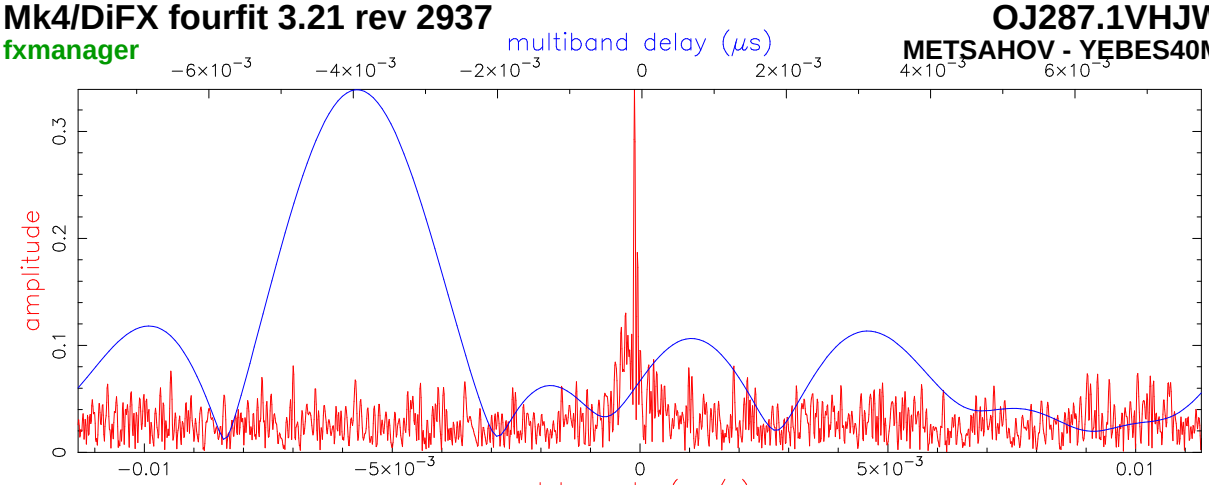
Mk4/DiFX fourfit 3.21 rev 2937

fxmanager

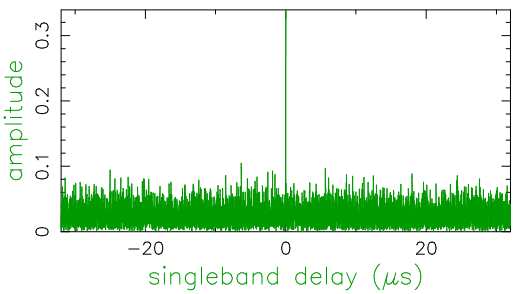
OJ287.1VHJWO, No0002, ZY

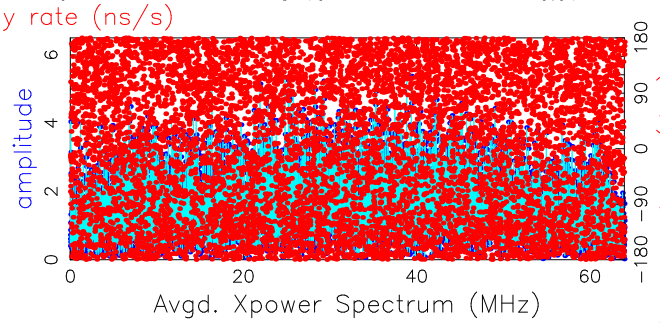
METSAHOV - YEBES40M, fgroup W, pol RR



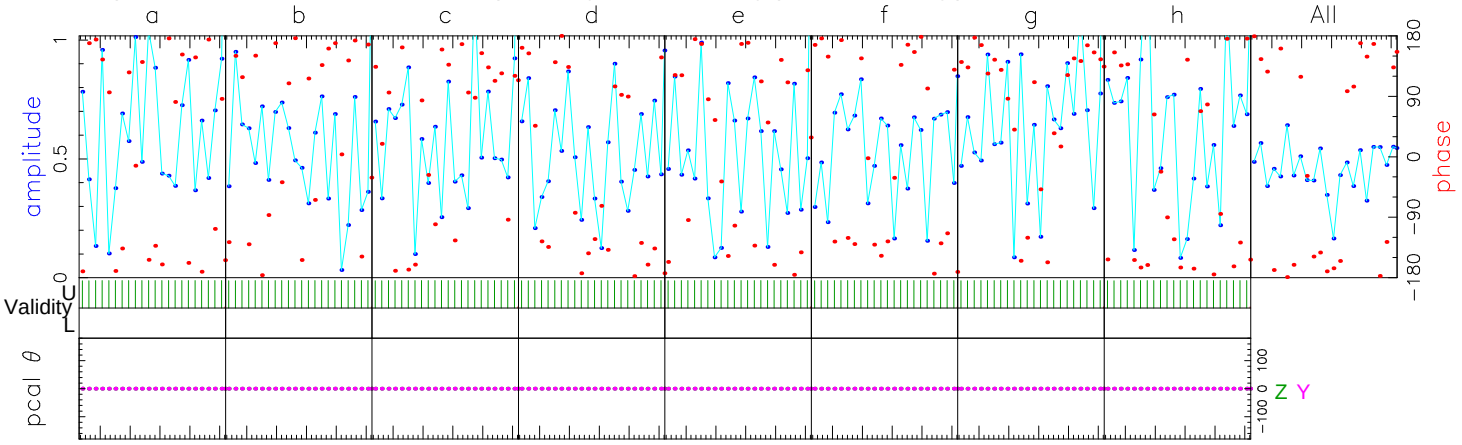
Fringe quality 9

SNR	15.6
Int time	281.496
Amp	0.339
Phase	170.8
PFD	2.5e-44
Delays (us)	
SBD	-0.004295
MBD	-0.003958
Fringe rate (Hz)	-0.009731
Ion TEC	0.000
Ref freq (MHz)	86140.0000
AP (sec)	0.512
Exp.	f212a
Exper #	16383
Yr:day	2021:273
Start	121517.41
Stop	122000.03
FRT	121730.00
Corr/FF/build	2021:273:143800 2021:273:145414 2021:252:122852
RA & Dec (J2000)	08h54m48.874928s +20°06'30.640850"





Amp. and Phase vs. time for each freq., 23 segs, 25 APs / seg (12.80 sec / seg.), time ticks 10 sec



									Freq (MHz)	All
	86012.00	86076.00	86140.00	86204.00	86268.00	86332.00	86396.00	86460.00	Phase	170.8
	179.3	173.8	138.8	179.1	175.3	-164.7	140.2	-174.2	Ampl.	0.4
	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	Sbd box	8191.9
	8192.4	8192.2	8192.0	8192.6	8193.2	8191.8	8192.0	8192.0		
U/L	552/0	552/0	552/0	552/0	552/0	552/0	552/0	552/0	APs used	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Y	1000	1000	1000	1000	1000	1000	1000	1000	PC freqs	
Z:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	PC phase	
Z:Y	0:0	0:0	0:0	0:0	0:0	0:0	0:0	0:0	Manl PC	
Z	1000	1000	1000	1000	1000	1000	1000	1000	PC amp	
Y	1000	1000	1000	1000	1000	1000	1000	1000		
Z	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids Tracks	
Y	W00UR	W01UR	W02UR	W03UR	W04UR	W05UR	W06UR	W07UR	Chan ids Tracks	

Group delay (usec)(sbd)	-5.75686805022E+03	Apriori delay (usec)	-5.75686409244E+03	Resid mbdelay (usec)	-3.95778E-03	+/-	7.0E-05
Sband delay (usec)	-5.75686838744E+03	Apriori clock (usec)	-9.2120934E-01	Resid sbdelay (usec)	-4.29500E-03	+/-	5.5E-04
Phase delay (usec)	-5.75686408693E+03	Apriori clockrate (us/s)	1.7049999E-06	Resid phdelay (usec)	5.50724E-06	+/-	2.4E-07
Delay rate (us/s)	2.05833777027E-01	Apriori rate (us/s)	2.05833889996E-01	Resid rate (us/s)	-1.12969E-07	+/-	1.5E-09
Total phase (deg)	-161.5	Apriori accel (us/s/s)	3.90476935438E-05	Resid phase (deg)	170.8	+/-	7.4

	RMS	Theor.	Amplitude	0.339 +/- 0.022	Pcal mode: MANUAL, MANUAL	PC period (AP's) 5, 5		
ph/seg (deg)	49.6	17.7	Search (2048X32)	0.336	Pcal rate: 0.000E+00, 0.000E+00 (us/s)		sb window (us)	-32.000 32.000
amp/seg (%)	45.9	30.8	Interp.	0.000	Bits/sample: 2x2	SampCntNorm: enabled	mb window (us)	-0.008 0.008
ph/frq (deg)	22.2	10.4	Inc. seg. avg.	0.437	Sample rate(MSamp/s): 128		dr window (ns/s)	-0.011 0.011
amp/frq (%)	12.7	18.2	Inc. frq. avg.	0.354	Data rate(Mb/s): 2048	nlags: 8192 t_cohere infinite	ion window (TEC)	0.00 0.00

Z: az 274.6 el 20.6 pa 31.8 Y: az 264.0 el 38.6 pa 53.7 u,v (fr/asec) -1209.317 2940.871 simultaneous interpolator

Control file: cf_1234_gmva Input file: /Exps/f212a/FRINGE/1234/No0002/ZY..1VHJWO Output file: /Exps/f212a/FRINGE/1234/No0002/ZY.W.34.1VHJWO